

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 22:05:25 ; Search time 51.2985 Seconds  
(without alignments)  
13999.354 Million cell updates/sec

Title: US-09-497-967-102

Perfect score: 1410

Sequence: 1 atgaagaacaactctgtg.....cttactacctgtgtaataa 1410

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published\_Applications\_NA:\*
- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
  - 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
  - 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
  - 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
  - 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
  - 6: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
  - 7: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
  - 8: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
  - 9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
  - 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
  - 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
  - 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
  - 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
  - 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	35.8	2.5	1824	9	US-09-938-842A-876
C 2	35.8	2.5	2017	9	US-09-344-882-17
C 3	35.2	2.5	324	10	US-09-764-877-2449
C 4	35.2	2.5	339	10	US-09-764-877-219
C 5	34.4	2.4	252	10	US-09-878-574-10642
C 6	34.2	2.4	446	10	US-09-962-436-54
C 7	34.2	2.4	446	10	US-09-880-107-589
C 8	33.6	2.4	2194	10	US-09-880-107-3940
C 9	33.6	2.4	2462	9	US-09-922-364A-48
C 10	33.6	2.4	2462	9	US-09-254-590-48
C 11	33.6	2.4	2462	9	US-10-115-695-48
C 12	32.8	2.3	442	10	US-09-880-107-1917
C 13	32.8	2.3	1811	9	US-10-086-510-2
C 14	32.4	2.3	1323	10	US-09-815-242-4076
C 15	32.2	2.3	1473	10	US-09-735-787-3
C 16	32	2.3	1026	10	US-09-815-782-9346
C 17	32	2.3	1085	10	US-09-925-300-401
C 18	32	2.3	1268	10	US-09-896-852-23
C 19	32	2.3	1648	10	US-09-896-852-26

C	20	32	2.3	4775	10	US-09-896-852-37	Sequence 37, Appl
	21	31.8	2.3	1400	10	US-09-350-756-4	Sequence 4, Appl
	22	31.8	2.3	3300	10	US-09-379-931-6	Sequence 6, Appl
C	23	31.8	2.3	30625	10	US-09-927-091-5	Sequence 5, Appl
	24	31.6	2.2	1593	9	US-09-738-626-1311	Sequence 1311, Ap
	25	31.6	2.2	1884	10	US-09-765-231A-28	Sequence 28, Appl
	26	31.6	2.2	2724	12	US-10-044-090-309	Sequence 309, App
	27	31.2	2.2	531	10	US-09-919-580-782	Sequence 782, App
C	28	31	2.2	339	10	US-09-867-701-3834	Sequence 3834, Ap
	29	31	2.2	460	10	US-09-864-761-890	Sequence 890, App
C	30	31	2.2	807	10	US-09-764-877-722	Sequence 722, App
	31	31	2.2	873	10	US-09-770-445-552	Sequence 552, App
C	32	31	2.2	32219	10	US-09-764-869-2016	Sequence 2016, Ap
	33	30.4	2.2	1581	9	US-09-738-626-1462	Sequence 1462, Ap
	34	30.4	2.2	8772	10	US-09-788-711A-3	Sequence 3, Appl
	35	30.4	2.2	8871	10	US-09-788-711A-1	Sequence 1, Appl
	36	30.4	2.2	640681	10	US-09-790-988-1	Sequence 438, App
	37	30.2	2.1	670	9	US-10-040-739-428	Sequence 9724, Ap
	38	30.2	2.1	1407	10	US-09-815-242-9724	Sequence 963, App
	39	30.2	2.1	2663	10	US-09-764-860-963	Sequence 965, App
	40	30.2	2.1	2663	10	US-09-764-860-965	Sequence 1454, Ap
	41	30.2	2.1	8798	9	US-09-764-868-1454	Sequence 1455, Ap
	42	30.2	2.1	8798	9	US-09-764-868-1455	Sequence 1460, Ap
	43	30.2	2.1	8798	9	US-09-764-868-1460	Sequence 1461, Ap
	44	30.2	2.1	8798	9	US-09-764-868-1461	Sequence 18, Appl
	45	30	2.1	1239	9	US-10-011-588-18	

ALIGNMENTS

RESULT 1

US-09-938-842A-876/c

; Sequence 876, Application US/09938842A

; Patent No. US20020160378A1

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; FILE REFERENCE: S001300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 876

; LENGTH: 1824

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-876

Query Match

Best Local Similarity 54.1%; Score 35.8; DB 9; Length 1824;

Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy	265	ACCAGGTGTAACGGAAGTCTCTGCTGGAAACCGCTATCGCTGGAGAGCTACCGACTAC	324
Db	477	ACCAATGTATGATGAAGATCTCTATGTTGGTACCGTAACTCGTTGGAGTTTGGACCCGAC	418
Qy	325	GCTGCTATCATCCCGAGTGTGTGAAGTCTGCGCATCAACTTCTACACGAGACGCTCT	384
Db	417	GATCAAAATCAGAGCGAGATTTCTACTGTGAAGACCGCGGCGCATTCGAGAACACTCA	358
Qy	385	AACTTCAACGCTGGA	399
Db	357	TCCACCGACGGTGAA	343

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2449
; LENGTH: 324
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-2449

Query Match      2.5%; Score 35.2; DB 10; Length 324;
Best Local Similarity 47.7%; Pred. No. 0.32;
Matches 103; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

QY 1145 GTCTGTGGAACCGTGTGCTGACCGAGCAACCACTCTACCTACAAGCAGGCTGCTTCTG 1204
    ||||| ||| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 9 GTGCTGGGATTACAGACATAAACTACTGCACCCAGCTTAAGATTATATCATATTTTACTG 68

QY 1205 AGTGTGTGAAGTGTGCTGCTTAACCTTCTACACCAACCAAGCAGACCGACTGGGTGGCTGGAA 1264
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 69 CATCTTTTCTGTATAGATATGTTTAGATACACAATCCTTCCCATTAGTTACTGTTG 128

QY 1265 TCGACACCTGTACCTCTTTGTAAACAAGAGCTGACCTCTGGAGCTGAGGCTAACCTGCCTG 1324
    || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 129 TCTATGGTATTCCTTATAGTAACAAGCTGTACAGGTTTGGAGCCTAGGGGCAATAGGCTG 188

QY 1325 AGTCTGCTAAGAAGACATCCAGTGTGACTTCGCTA 1360
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Db 189 TACCATTATTATAAGCCTAGGTGTGTAGTTGGCTA 224

RESULT 4
US-09-764-877-219
; Sequence 219, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 219
; LENGTH: 339
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (310)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (336)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-877-219

Query Match      2.5%; Score 35.2; DB 10; Length 339;
Best Local Similarity 47.7%; Pred. No. 0.33;
Matches 103; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

QY 1145 GTCTGTGGAACCGTGTGCTGACCGAGCAACCACTCTACCTACAAGCAGGCTGCTTCTG 1204
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Db 11 GTGCTGGGATTACAGACATAAACTACTGCACCCAGCTTAAGATTATATCATATTTTACTG 70

QY 1205 AGTGTGTGAAGTGTGCTGCTTAACCTTCTACACCAACCAAGCAGACCGACTGGGTGGCTGGAA 1264
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 71 CATCTTTTCTGTATAGATATGTTTAGATACACAATCCTTCCCATTAGTTACTGTTG 130

QY 1265 TCGACACCTGTACCTCTTTGTAAACAAGAGCTGACCTCTGGAGCTGAGGCTAACCTGCCTG 1324
    || | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 131 TCTATGGTATTCCTTATAGTAACAAGCTGTACAGGTTTGGAGCCTAGGGGCAATAGGCTG 190

QY 1325 AGTCTGCTAAGAAGACATCCAGTGTGACTTCGCTA 1360
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Db 191 TACCATTATTATAAGCCTAGGTGTGTAGTTGGCTA 226
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2449
; LENGTH: 324
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-2449

Query Match      2.5%; Score 35.8; DB 9; Length 1017;
Best Local Similarity 54.1%; Pred. No. 0.63;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 265 ACCCAGTGTACGTTGCTGCTGGAACCGCTATCGCTGGAGGAGCTACCGACTAC 324
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Db 536 ACCAATTGTATGATGAAGATCCTATTGGTACCGTAATCGTTGGAGTTTGGACCCGAC 477

QY 325 GCTGCTATCATCCGAGTGTGACTGTCGATCAACTTCTACAACGAGAACGCTCT 384
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 476 GATGCAAAATCAGAGCGAGATTCTCACTGTAAGCACCGGGGCTGCATTCAGAACACTCAA 417

QY 385 AACTTCAACGCTGGA 399
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 416 TCCACCGCAGGTGAA 402

RESULT 3
US-09-764-877-2449
; Sequence 2449, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
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RESULT 5  
US-09-878-574-10642  
; Sequence 10642, Application US/09878574  
; Patent No. US20020110548A1  
; GENERAL INFORMATION:  
; APPLICANT: Byrum, Joseph R.  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Thompson, Michael D.  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(15401)B  
; CURRENT APPLICATION NUMBER: US/09/878,574  
; PRIOR FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 09/333,535  
; NUMBER OF SEQ ID NOS: 1999-08-14  
; SEQ ID NO 10642  
; LENGTH: 252  
; TYPE: DNA  
; ORGANISM: Glycine max  
; OTHER INFORMATION: Clone ID: 700967903H1  
US-09-878-574-10642

Query Match 2.4%; Score 34.4; DB 10; Length 252;  
Best Local Similarity 50.0%; Pred. No. 0.49;  
Matches 86; Conservative 0; Mismatches 86; Indels 0; Gaps 0;  
QY 1 ATGAGAACAACTCGTGTGATCATCTCTCTGTTTCATCAACAGATCAAGTCT 60  
Db 77 ATAAAGGGGAACCTTGATGATTGGAAGAAATGTGTTGGATATCAACAGCATCACCA 136  
QY 61 GCTAACTGTCCTGGGACCGAGACCAACACCGCTGGACAGGTGGAGACCTGGGAACC 120  
Db 137 GTTAGGGTGTCTTGGAAACCGCATTAACATCATCTGGAGGTGTCGTCACACCGTTACT 196  
QY 121 CTGCTAACTGTGTGAACCTCAGAGAACTTCTACTACAAACAGCTGCTG 172  
Db 197 GCTTTGGGTCCTCCATCTCCATCCAGCTCATCAGTCCACCAAGGCTGATG 248

RESULT 6  
US-09-962-436-54  
; Sequence 54, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; NUMBER OF SEQ ID NOS: 2000-09-25  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 54  
; LENGTH: 446  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-962-436-54

Query Match 2.4%; Score 34.2; DB 10; Length 446;  
Best Local Similarity 49.2%; Pred. No. 0.8;  
Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;  
QY 885 GGCTACCGCTGGAGAGCTGCTACCTGGCTAAGCAGTGTAAACATCGCTTGTCTCGCTGACGG 944  
Db 189 GGGACCTTTTATGGCATTTGAGATTCACAGAGCAATGGCCATGGCCATCGCTCAAGG 248

QY 945 AACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGTGTCTGAACGTG 1004  
Db 249 AACTTACAATGTAGCTGGAGAGACACAAACATCCAAAACAGACATGAGGGCTGGCTCT 308  
QY 1005 TGCTGCTAACTTCTACTTCGACGGAAACAACTTCAGAGGTGGATCTTCTCGCTGTAAAGC 1064  
Db 309 ACCTCCACACCTCTATCTGAACAAAACGATTACTGGCTTAAGTCTCGTGTGTGAAGC 368  
QY 1065 TTG 1067  
Db 369 ATG 371  
RESULT 7  
US-09-880-107-589  
; Sequence 589, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; PRIOR FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 589  
; LENGTH: 446  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA258182  
US-09-880-107-589

Query Match 2.4%; Score 34.2; DB 10; Length 446;  
Best Local Similarity 49.2%; Pred. No. 0.8;  
Matches 90; Conservative 0; Mismatches 93; Indels 0; Gaps 0;  
QY 885 GGCTACCGCTGGAGAGCTGCTACCTGGCTAAGCAGTGTAAACATCGCTTGTCTCGCTGACGG 944  
Db 189 GGGACCTTTTATGGCATTTGAGATTCACAGAGCAATGGCCATGGCCATCGCTCAAGG 248  
QY 945 AACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGTGTCTGAACGTG 1004  
Db 249 AACTTACAATGTAGCTGGAGAGACACAAACATCCAAAACAGACATGAGGGCTGGCTCT 308  
QY 1005 TGCTGCTAACTTCTACTTCGACGGAAACAACTTCAGAGGTGGATCTTCTCGCTGTAAAGC 1064  
Db 309 ACCTCCACACCTCTATCTGAACAAAACGATTACTGGCTTAAGTCTCGTGTGTGAAGC 368  
QY 1065 TTG 1067  
Db 369 ATG 371

RESULT 8  
US-09-880-107-3940  
; Sequence 3940, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107

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; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3940
; LENGTH: 2194
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 Z48475
US-09-880-107-3940

Query Match          2.4%; Score 33.6; DB 10; Length 2194;
Best Local Similarity 66.7%; Pred. No. 3.3;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 113 TGGGAACCCCTGCTACTGTGTGAAGTGTGACAGAACTTCTACTACAAACGCTGCTG 172
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 602 TGGGACTCTCTGCTCCTCTTGTGGAGGCCAGATGCTGCTGCAATGAAACACAGCTG 661
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 173 CTTTCGTGCTG 184
      ||||| |||||
Db 662 TCTTCTTGCCAG 673

RESULT 9
US-09-922-364A-48/C
; Sequence 48, Application US/09922364A
; Patent No. US2002015531A1
; GENERAL INFORMATION:
; APPLICANT: Adelman, John P.
;             Maylie, James
;             Bond, Chris T.
;             Silvia, Christopher P.
; TITLE OF INVENTION: Small and Intermediate Conductance,
;                   Calcium-Activated Potassium Channels and Uses
;                   Thereof
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/922,364A
; FILING DATE: 03-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/254,590
; FILING DATE: 10-Mar-1999
; APPLICATION NUMBER: US 60/026,451
; FILING DATE: 11-SEP-1996
; APPLICATION NUMBER: US 60/040,052
; FILING DATE: 07-MAR-1997
; APPLICATION NUMBER: US 60/045,233
; FILING DATE: 17-APR-1997
; APPLICATION NUMBER: WO PCT/US97/16033
; FILING DATE: 10-SEP-1997
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 014210-000730US
; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 2462 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/KEY: -
;     LOCATION: 1..2462
;     OTHER INFORMATION: /note="human small conductance,
;                       calcium-activated potassium channel
;                       protein 3 (hsk3) full length cDNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-09-922-364A-48

Query Match          2.4%; Score 33.6; DB 9; Length 2462;
Best Local Similarity 53.9%; Pred. No. 3.5;
Matches 69; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 166 GCTGCTGCTTTCGTCGGCTGGAGCTTCTACCTGTACCCCTTTGTCTCTCAGAAAGGACGCT 225
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 375 GCTGCTGCTGCTGTGTGCTGCTGCTGCTGCTGCTGCTATCCCCAGAGATGGACAGG 316
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 226 GGAGCTCAGCTAACCCCTCTGCTTACCGCTAAACCTGGTGACCCAGTGTACGTTGAAGTGT 285
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 315 GGCACTTGGGCTCTTCATCCAAAGTCCCCCACCCCGAGTCATGGAGTGCCCGAAGTGT 256
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 286 CCTGCTGG 293
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Db 255 CCATCTTG 248

RESULT 10
US-09-254-590-48/C
; Sequence 48, Application US/09254590
; Patent No. US20020165379A1
; GENERAL INFORMATION:
; APPLICANT: Adelman, John P.
;             Maylie, James
;             Bond, Chris T.
;             Silvia, Christopher P.
; TITLE OF INVENTION: Small and Intermediate Conductance,
;                   Calcium-Activated Potassium Channels and Uses Thereof
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/254,590
; FILING DATE: 10-Mar-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/026,451
; FILING DATE: 11-SEP-1996
; APPLICATION NUMBER: US 60/040,052
; FILING DATE: 07-MAR-1997
; APPLICATION NUMBER: US 60/045,233
; FILING DATE: 17-APR-1997
; APPLICATION NUMBER: WO PCT/US97/16033
; FILING DATE: 10-SEP-1997
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 014210-000730US
; TELECOMMUNICATION INFORMATION:

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; OTHER INFORMATION: n = a o r g or t
US-09-880-107-1917

Query Match      2.3%; Score 32.8; DB 10; Length 442;
Best Local Similarity 53.8%; Pred. No. 2.2;
Matches 64; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

QY 351 CTGTCGATCAACTTCTACAGGAGAACGCTCTCACTTCAACGCTGGAGCTTCTACTG 410
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 434 CGGCCCCAGNAACCTCTGCACTAAAAAGGAGCAACTGGAAGGCCCGCCAGCCAGCC 375

QY 411 TACCGTTGCTGTGAACCGGCTGGGAGGAGCTCTGACCGCTGGAACGCTGTACCA 469
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 374 CACTGATGGCCCTCGGAACNGGGTGCCGGGCTCTGACCAACAGGCACACAAGCCA 316

RESULT 13
US-10-086-510-2
; Sequence 2, Application US/10086510
; Publication No. US20030027258A1
; GENERAL INFORMATION:
; APPLICANT: Fang-Tseh (Frank) CHANG et al.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR PEARL
; FILE REFERENCE: 505493000120
; CURRENT APPLICATION NUMBER: US/10/086,510
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/310,070
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; TYPE: DNA
; ORGANISM: Pinctada maxima
US-10-086-510-2

Query Match      2.3%; Score 32.8; DB 9; Length 1811;
Best Local Similarity 43.4%; Pred. No. 5.3;
Matches 209; Conservative 0; Mismatches 267; Indels 6; Gaps 1;

QY 584 ACAACGGAACACGGAACACCCCTTTCAACCCCTGGAAGTCTCAGTCTACCCCTTGT 643
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 882 ATAACGGTTACATGGCAACGCAACGGAACAATGTAATGTAACAAATGACAAATGTA 941

QY 644 CTGCTATCAACCGCTGCTAAAGTGGCTCAGCTACCCCTGGGAACGAGCTACCAACCG 703
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 942 ACGATAACACGGAACAAACGCGTGGCAATGTAACACGGAACAAATGTAATGTAACA 1001

QY 704 CTCAGTGTAAAGTGGCTTGTCTGACGGAACCACTCTCTGCTGGAGTGAACAACCTGG 763
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1002 ATGGAATAATGGTAATGGTAATAACGGAATAAAGCGTGGCAATGGCAACACGGAACA 1061

QY 764 TGGCTCAGAACACCGAGTGTACCAACTGTGCTCTCACTTCTACACACACAGCTCTTA 823
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1062 ATGGTAATAGTAACAAACGGAATAATGGTAATGGTAACAAACGGAATAAAGCGTGG 1121

QY 824 ACTTCAACCCCTGGAACCTCTACCTGTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCT 883
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1122 GCAACACGGAACAAATGGTAATGG-----TACATGAAATATGGTAACGGTAGTA 1175

QY 884 AGGCTACCGCTGGAGGAGCTCTACCCCTGGCTAAGCAGTGTAACTGCTTCTCTGAGC 943
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1176 ATGGTAACAAATGGTGAACGCAACAAATGGTAATGTAACGGTGTAAAGGTAATGGCGACA 1235

QY 944 GAACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTCGACACCGAGTGTCTGAAC 1003
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1236 ATGGTTATAACCGGTGATAATGGTAACAGTGACGGGCGAGCTCAGACGCTGGATTGGCAA 1295

QY 1004 GTGCTGTAACTTCTACCTTCAGCGGAACAACTTCCAGGCTGGATCTTCTCGCTGTAAAG 1063
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1296 ATGTCGCGAGCATGCACGCCGAGCATATCATTAGCGGAGGATGTATGCTCAAAAAAG 1355
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QY 1064 CT 1065
Db 1356 CT 1357

RESULT 14
US-09-815-242-4076/c
; Sequence 4076, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4076
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-4076

Query Match      2.3%; Score 32.4; DB 10; Length 1323;
Best Local Similarity 48.9%; Pred. No. 5.8;
Matches 87; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 169 GCTGCTTTGCTGGAGCTTCTACTGTACCCCTTGCTCTCAGAAAGGAGGACGTGGA 228
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1287 GCCGCTATCGTCGCCGTTGGCATGCTGTGATCTTTCGGTCTTCGCTTGCCTTAGTGGC 1228

QY 229 GCTCAGGCTAACCCCTCTGCTACCGCTAACCTGTGTACCCAGTGTACGTGAAGTGTCT 288
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1227 GGAACCTTACCCGCTCGTTGGCGTACCAGTTACGCCCGAGGTATGGGCTTTCGCCCTT 1168

QY 289 GCTGAACCGCTATCGCTGGAGGAGCTACCGACTACGCTCTATCATCATCCAGTGTG 346
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1167 GCGCTCGCCGACCTCGCGGGTGGCGCTGTGCACACGATGTTGTCATCTCGACCTTG 1110

RESULT 15
US-09-735-787-3
; Sequence 3, Application US/09735787
; Patent No. US20010036910A1
; GENERAL INFORMATION:
; APPLICANT: Rasmussen, Grethe
; APPLICANT: Mikkelsen, Jan Moller
; APPLICANT: Schulein, Martin
; APPLICANT: Patkar, Shankant A.
; APPLICANT: Hagen, Fred
; TITLE OF INVENTION: A Cellulase Preparation Comprising an
```

Search completed: February 17, 2003, 02:02:36  
Job time : 72.2985 secs

